

Fig.1

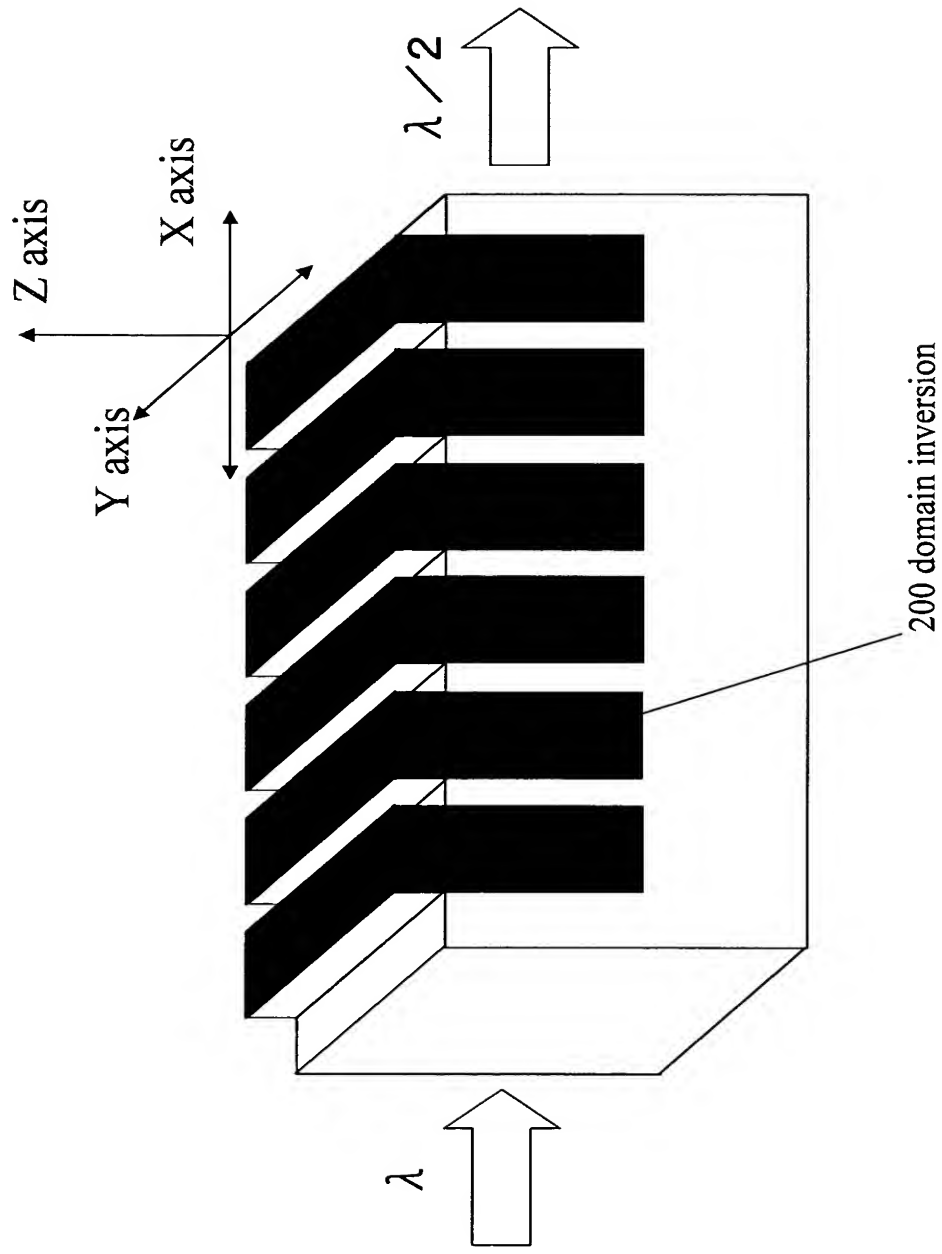


Fig.2

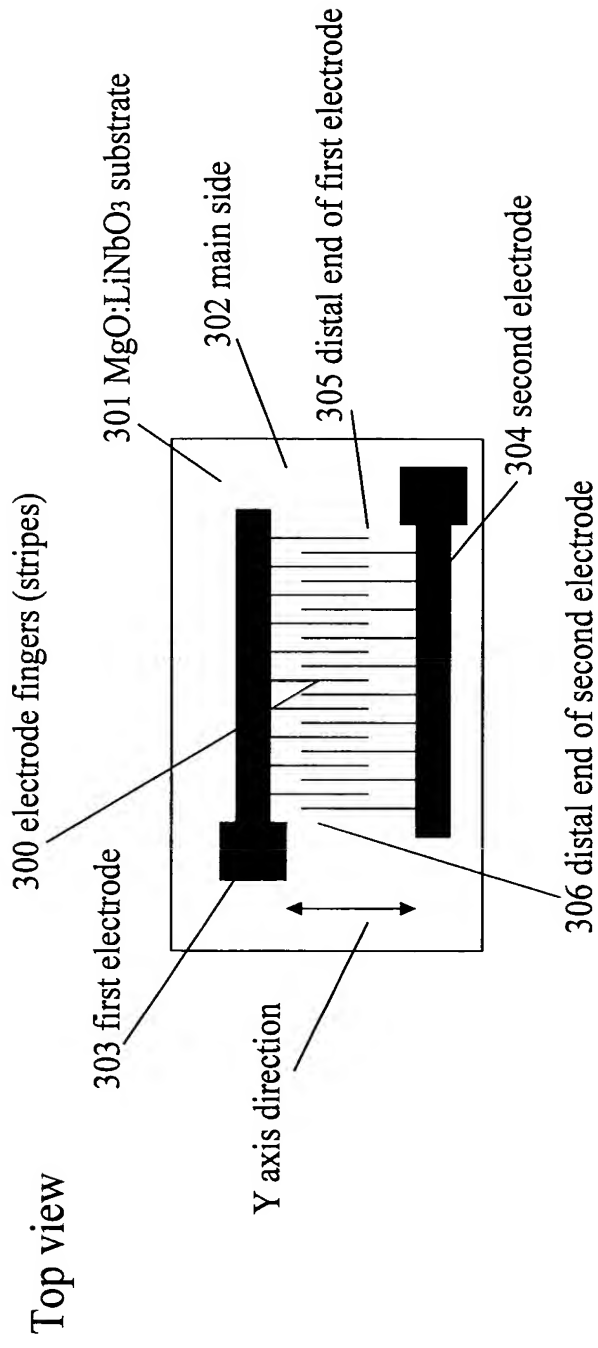


Fig. 3a

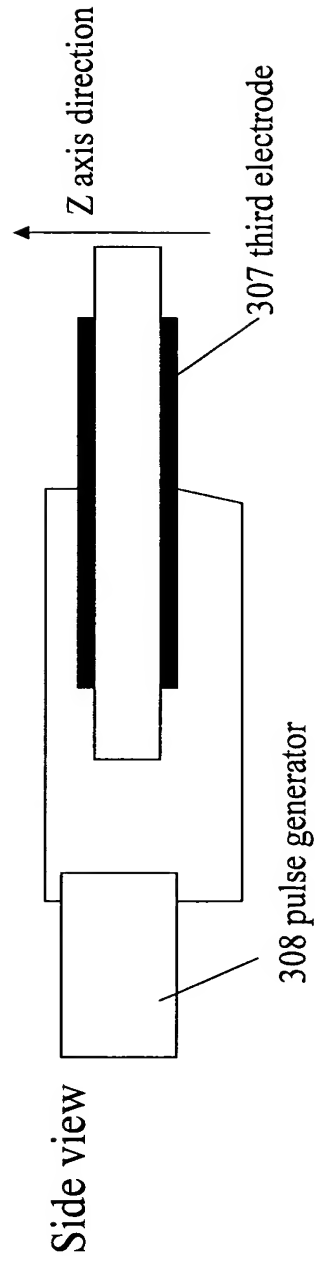
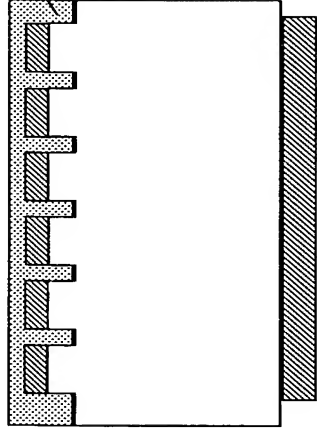


Fig. 3b

400 tantalum film

403 SiO₂ film



401 MgO:LiNbO₃ substrate

Fig. 4a

Fig. 4c

402 groove

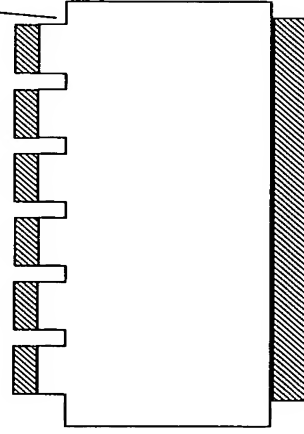


Fig. 4b

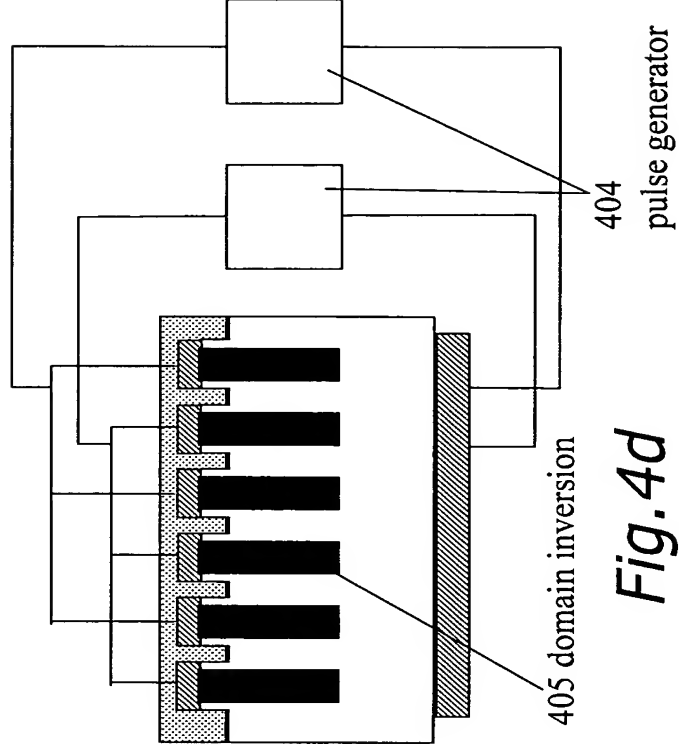
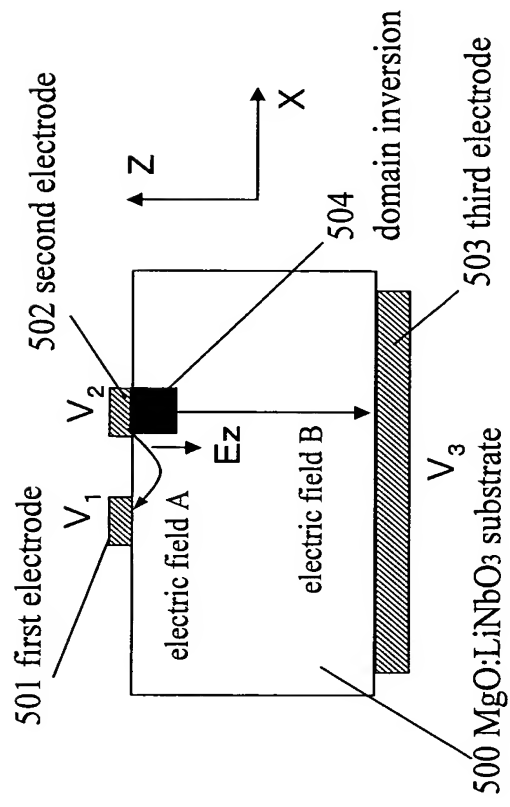
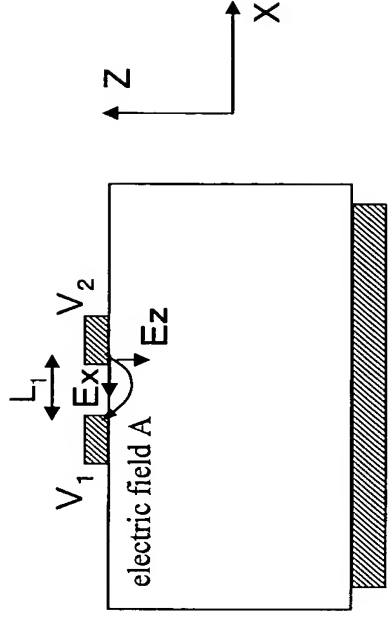


Fig. 4d



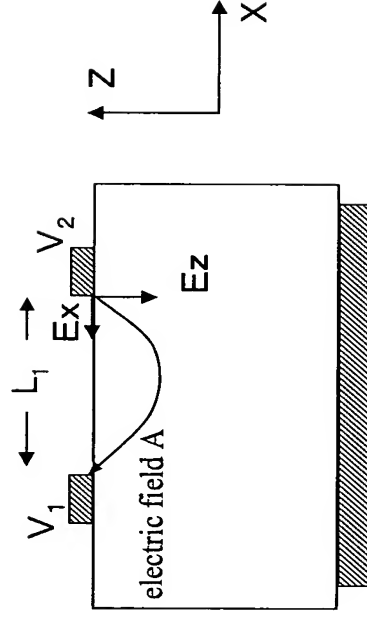
$$V_2 > V_1 > V_3$$

Fig. 5a



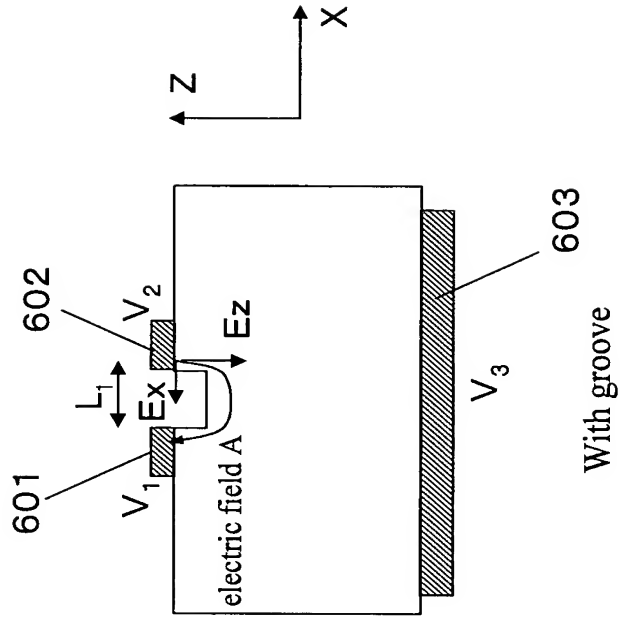
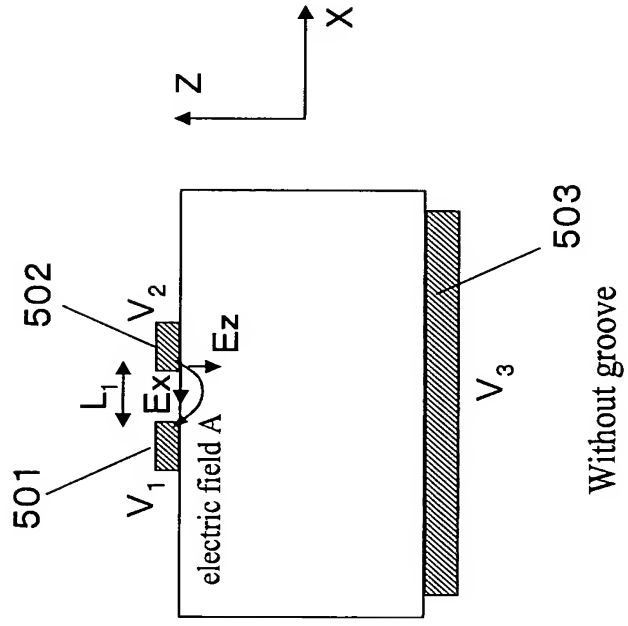
When L_1 is small

Fig. 5c



When L_1 is large

Fig. 5b



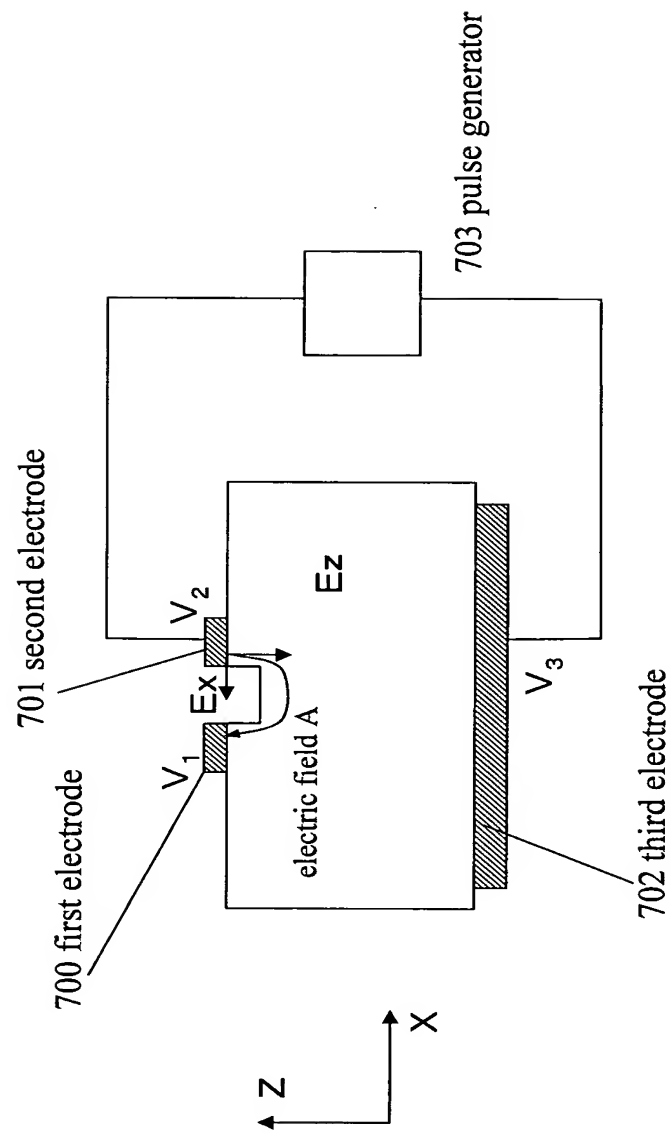


Fig.7

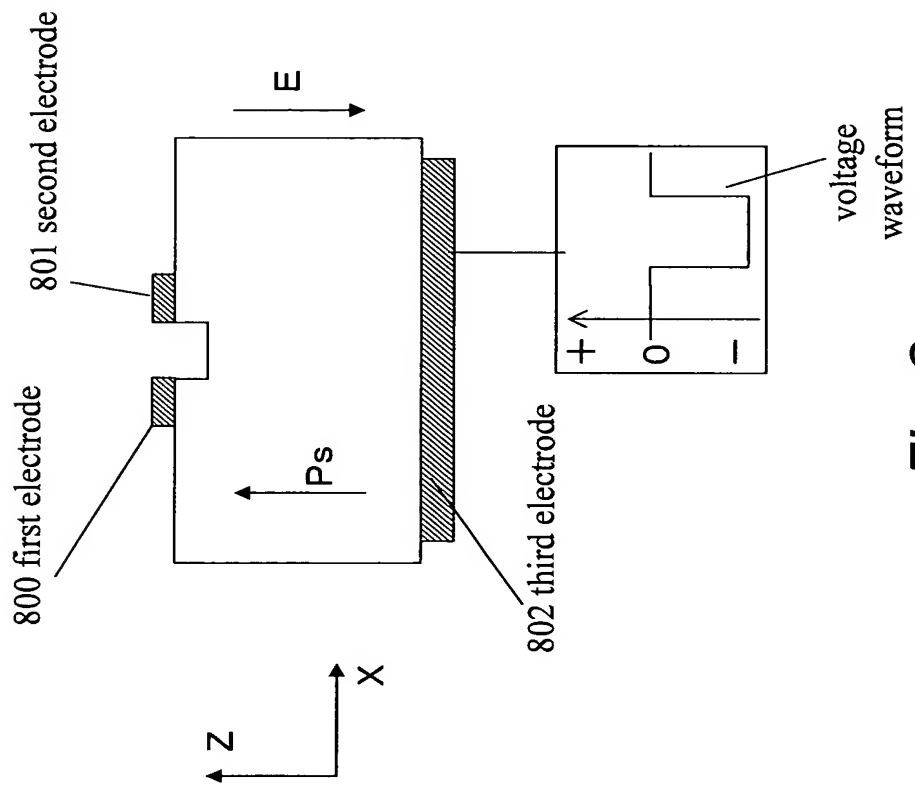


Fig. 8a

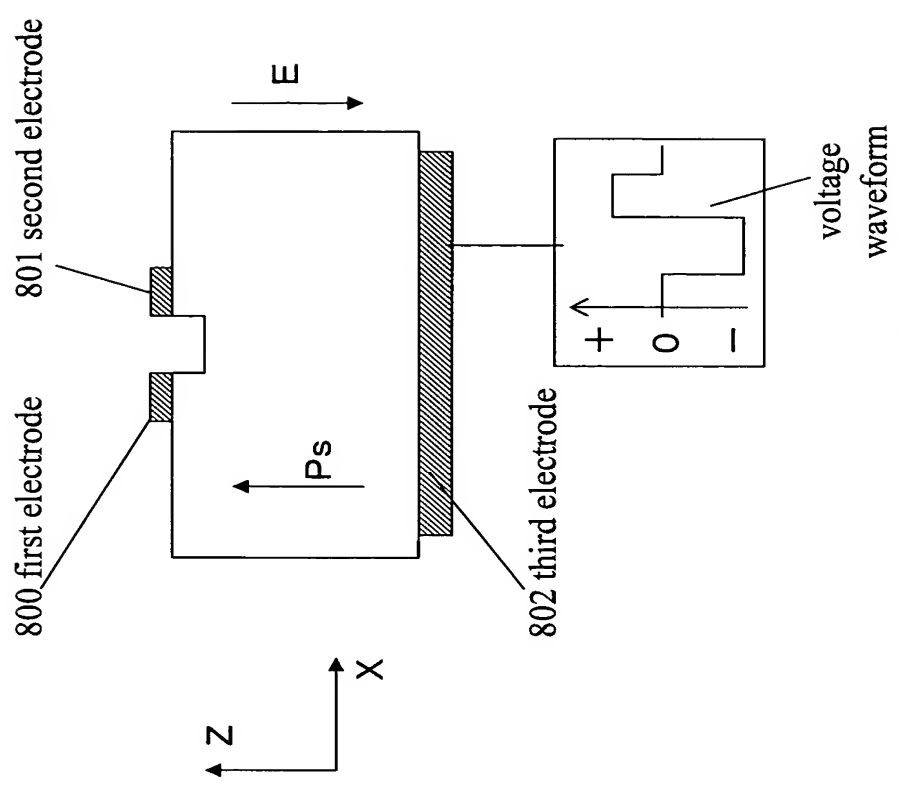


Fig. 8b

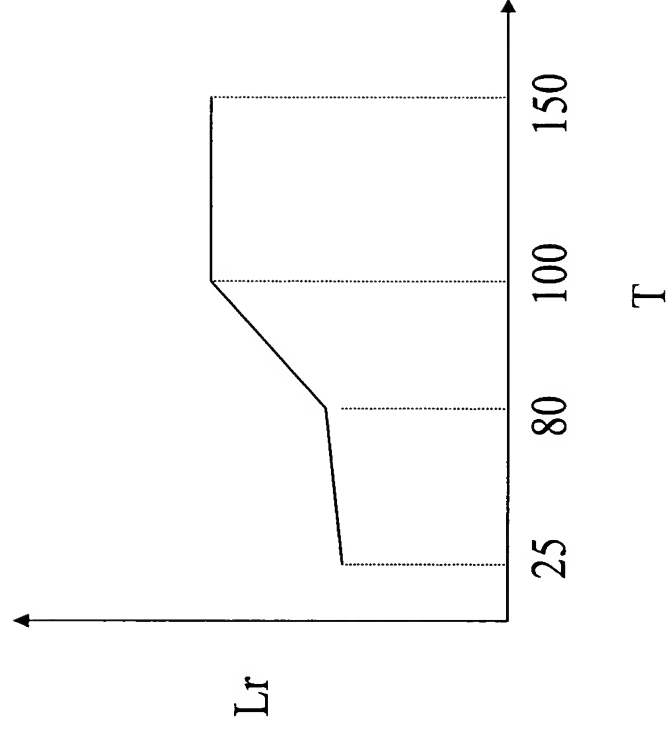


Fig. 9

Top view

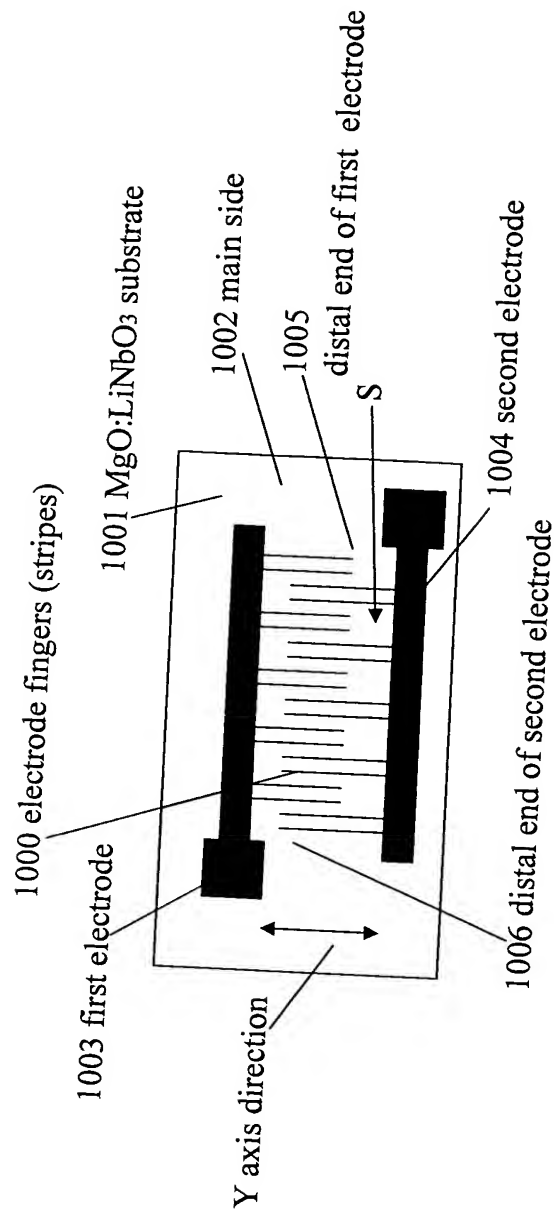


Fig. 10a

Side view

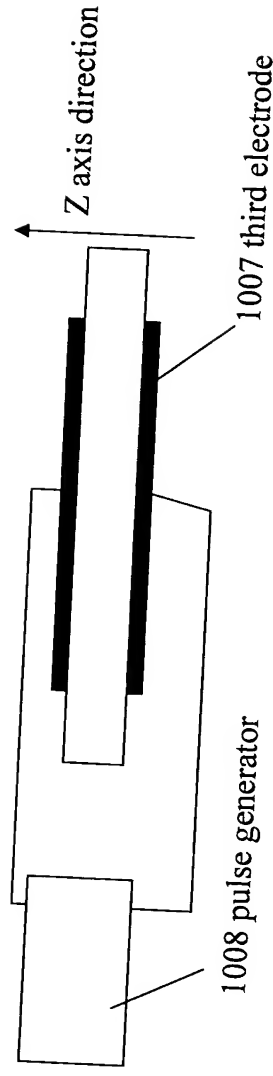


Fig. 10b